

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number
WO 2005/086426 A1(51) International Patent Classification:
H04L 12/28 (2006.01)(21) International Application Number:
PCT/JP2005/004401

(22) International Filing Date: 8 March 2005 (08.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2004-064457 8 March 2004 (08.03.2004) JP
2004-303253 18 October 2004 (18.10.2004) JP(71) Applicant (for all designated States except US): MAT-SUSHITA ELECTRIC INDUSTRIAL CO., LTD.
[JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka, 5718501 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MALIK, Rahul. TAN, Pek, Yew. IMAMURA, Daichi. YAMAZAKI, Junya. NAKA, Katsuyoshi.

(74) Agent: WASHIDA, Kimihito; 5th floor, Shinotoshicer Bldg., 24-1, Tsurumaki 1-chome, Tama-shi, Tokyo 206-0034 (JP).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

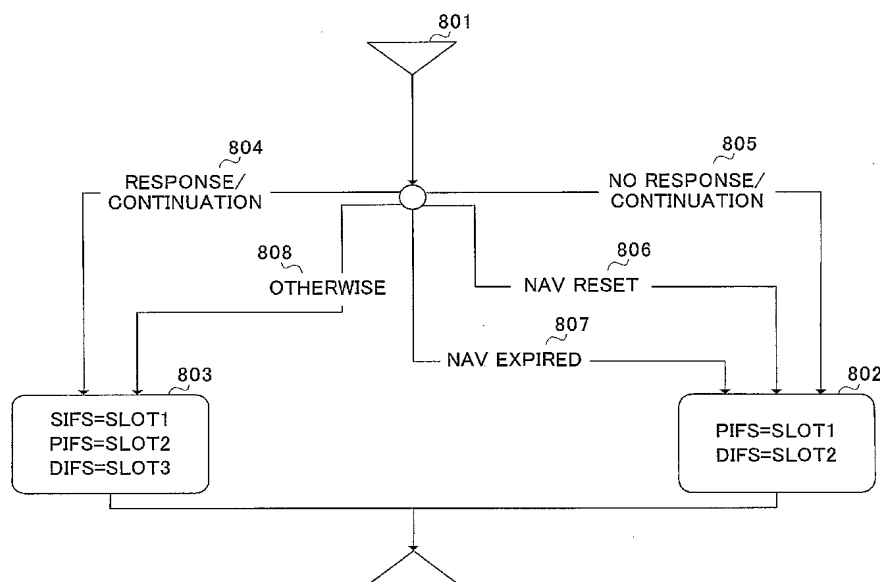
— with international search report

(48) Date of publication of this corrected version:

29 June 2006

[Continued on next page]

(54) Title: METHOD FOR REDUCING MEDIUM ACCESS OVERHEAD IN A WIRELESS NETWORK



(57) Abstract: The invention includes methods for achieving efficient channel access in a wireless communications system. The invention is embodied in a wireless network adapter that is present in all stations belonging to the network. The invention describes methods by which access overheads may be reduced by introducing the concept of context sensitive frame timing - using which stations redefine and interpret frame timing depending on context and signaling. The result of realizing the invention is an improvement in medium utilization efficiency and consequently, an overall improvement in network throughput.

WO 2005/086426 A1



(15) Information about Correction:

see PCT Gazette No. 26/2006 of 29 June 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.